



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/783,311

DATE: 08/02/2004
TIME: 11:31:56

Input Set : A:\10280-059001.txt
Output Set: N:\CRF4\08022004\J783311.raw

4 <110> APPLICANT: Nixon, Andrew
 5 Hogan, Shannon
 7 <120> TITLE OF INVENTION: PAPP-A LIGANDS
 10 <130> FILE REFERENCE: 10280-059001
 12 <140> CURRENT APPLICATION NUMBER: US 10/783,311
 13 <141> CURRENT FILING DATE: 2004-02-19
 15 <150> PRIOR APPLICATION NUMBER: US 60/448,515
 16 <151> PRIOR FILING DATE: 2003-02-19
 18 <160> NUMBER OF SEQ ID NOS: 394
 20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 1627
 24 <212> TYPE: PRT
 25 <213> ORGANISM: Homo sapiens
 27 <400> SEQUENCE: 1
 28 Met Arg Leu Trp Ser Trp Val Leu His Leu Gly Leu Leu Ser Ala Ala
 29 1 5 10 15
 30 Leu Gly Cys Gly Leu Ala Glu Arg Pro Arg Arg Ala Arg Asp Pro
 31 20 25 30
 32 Arg Ala Gly Arg Pro Pro Arg Pro Ala Ala Gly Pro Ala Thr Cys Ala
 33 35 40 45
 34 Thr Arg Gly Pro Arg Pro Pro Arg Leu Ala Ala Ala Ala Ala Ala
 35 50 55 60
 36 Gly Arg Ala Trp Glu Ala Val Arg Val Pro Arg Arg Gln Gln Arg
 37 65 70 75 80
 38 Glu Ala Arg Gly Ala Thr Glu Glu Pro Ser Pro Pro Ser Arg Ala Leu
 39 85 90 95
 40 Tyr Phe Ser Gly Arg Gly Glu Gln Leu Arg Val Leu Arg Ala Asp Leu
 41 100 105 110
 42 Glu Leu Pro Arg Asp Ala Phe Thr Leu Gln Val Trp Leu Arg Ala Glu
 43 115 120 125
 44 Gly Gly Gln Arg Ser Pro Ala Val Ile Thr Gly Leu Tyr Asp Lys Cys
 45 130 135 140
 46 Ser Tyr Ile Ser Arg Asp Arg Gly Trp Val Val Gly Ile His Thr Ile
 47 145 150 155 160
 48 Ser Asp Gln Asp Asn Lys Asp Pro Arg Tyr Phe Phe Ser Leu Lys Thr
 49 165 170 175
 50 Asp Arg Ala Arg Gln Val Thr Thr Ile Asn Ala His Arg Ser Tyr Leu
 51 180 185 190
 52 Pro Gly Gln Trp Val Tyr Leu Ala Ala Thr Tyr Asp Gly Gln Phe Met
 53 195 200 205
 54 Lys Leu Tyr Val Asn Gly Ala Gln Val Ala Thr Ser Gly Glu Gln Val
 55 210 215 220

ENTERED

P.4

1

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/783,311

DATE: 08/02/2004

TIME: 11:31:56

Input Set : A:\10280-059001.txt

Output Set: N:\CRF4\08022004\J783311.raw

56 Gly Gly Ile Phe Ser Pro Leu Thr Gln Lys Cys Lys Val Leu Met Leu
 57 225 230 235 240
 58 Gly Gly Ser Ala Leu Asn His Asn Tyr Arg Gly Tyr Ile Glu His Phe
 59 245 250 255
 60 Ser Leu Trp Lys Val Ala Arg Thr Gln Arg Glu Ile Leu Ser Asp Met
 61 260 265 270
 62 Glu Thr His Gly Ala His Thr Ala Leu Pro Gln Leu Leu Leu Gln Glu
 63 275 280 285
 64 Asn Trp Asp Asn Val Lys His Ala Trp Ser Pro Met Lys Asp Gly Ser
 65 290 295 300
 66 Ser Pro Lys Val Glu Phe Ser Asn Ala His Gly Phe Leu Leu Asp Thr
 67 305 310 315 320
 68 Ser Leu Glu Pro Pro Leu Cys Gly Gln Thr Leu Cys Asp Asn Thr Glu
 69 325 330 335
 70 Val Ile Ala Ser Tyr Asn Gln Leu Ser Ser Phe Arg Gln Pro Lys Val
 71 340 345 350
 72 Val Arg Tyr Arg Val Val Asn Leu Tyr Glu Asp Asp His Lys Asn Pro
 73 355 360 365
 74 Thr Val Thr Arg Glu Gln Val Asp Phe Gln His His Gln Leu Ala Glu
 75 370 375 380
 76 Ala Phe Lys Gln Tyr Asn Ile Ser Trp Glu Leu Asp Val Leu Glu Val
 77 385 390 395 400
 78 Ser Asn Ser Ser Leu Arg Arg Arg Leu Ile Leu Ala Asn Cys Asp Ile
 79 405 410 415
 80 Ser Lys Ile Gly Asp Glu Asn Cys Asp Pro Glu Cys Asn His Thr Leu
 81 420 425 430
 82 Thr Gly His Asp Gly Gly Asp Cys Arg His Leu Arg His Pro Ala Phe
 83 435 440 445
 84 Val Lys Lys Gln His Asn Gly Val Cys Asp Met Asp Cys Asn Tyr Glu
 85 450 455 460
 86 Arg Phe Asn Phe Asp Gly Gly Glu Cys Cys Asp Pro Glu Ile Thr Asn
 87 465 470 475 480
 88 Val Thr Gln Thr Cys Phe Asp Pro Asp Ser Pro His Arg Ala Tyr Leu
 89 485 490 495
 90 Asp Val Asn Glu Leu Lys Asn Ile Leu Lys Leu Asp Gly Ser Thr His
 91 500 505 510
 92 Leu Asn Ile Phe Phe Ala Lys Ser Ser Glu Glu Glu Leu Ala Gly Val
 93 515 520 525
 94 Ala Thr Trp Pro Trp Asp Lys Glu Ala Leu Met His Leu Gly Gly Ile
 95 530 535 540
 96 Val Leu Asn Pro Ser Phe Tyr Gly Met Pro Gly His Thr His Thr Met
 97 545 550 555 560
 98 Ile His Glu Ile Gly His Ser Leu Gly Leu Tyr His Val Phe Arg Gly
 99 565 570 575
 100 Ile Ser Glu Ile Gln Ser Cys Ser Asp Pro Cys Met Glu Thr Glu Pro
 101 580 585 590
 102 Ser Phe Glu Thr Gly Asp Leu Cys Asn Asp Thr Asn Pro Ala Pro Lys
 103 595 600 605
 104 His Lys Ser Cys Gly Asp Pro Gly Pro Asn Asp Thr Cys Gly Phe

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/783,311

DATE: 08/02/2004

TIME: 11:31:56

Input Set : A:\10280-059001.txt

Output Set: N:\CRF4\08022004\J783311.raw

105	610	615	620
106	His Ser Phe Phe Asn Thr Pro Tyr Asn Asn Phe Met Ser Tyr Ala Asp		
107	625	630	635
108	Asp Asp Cys Thr Asp Ser Phe Thr Pro Asn Gln Val Ala Arg Met His		640
109	645	650	655
110	Cys Tyr Leu Asp Leu Val Tyr Gln Gly Trp Gln Pro Ser Arg Lys Pro		
111	660	665	670
112	Ala Pro Val Ala Leu Ala Pro Gln Val Leu Gly His Thr Thr Asp Ser		
113	675	680	685
114	Val Thr Leu Glu Trp Phe Pro Pro Ile Asp Gly His Phe Phe Glu Arg		
115	690	695	700
116	Glu Leu Gly Ser Ala Cys His Leu Cys Leu Glu Gly Arg Ile Leu Val		
117	705	710	715
118	Gln Tyr Ala Ser Asn Ala Ser Ser Pro Met Pro Cys Ser Pro Ser Gly		720
119	725	730	735
120	His Trp Ser Pro Arg Glu Ala Glu Gly His Pro Asp Val Glu Gln Pro		
121	740	745	750
122	Cys Lys Ser Ser Val Arg Thr Trp Ser Pro Asn Ser Ala Val Asn Pro		
123	755	760	765
124	His Thr Val Pro Pro Ala Cys Pro Glu Pro Gln Gly Cys Tyr Leu Glu		
125	770	775	780
126	Leu Glu Phe Leu Tyr Pro Leu Val Pro Glu Ser Leu Thr Ile Trp Val		
127	785	790	795
128	800	805	810
129	Thr Phe Val Ser Thr Asp Trp Asp Ser Ser Gly Ala Val Asn Asp Ile		815
130	Lys Leu Leu Ala Val Ser Gly Lys Asn Ile Ser Leu Gly Pro Gln Asn		
131	820	825	830
132	Val Phe Cys Asp Val Pro Leu Thr Ile Arg Leu Trp Asp Val Gly Glu		
133	835	840	845
134	Glu Val Tyr Gly Ile Gln Ile Tyr Thr Leu Asp Glu His Leu Glu Ile		
135	850	855	860
136	Asp Ala Ala Met Leu Thr Ser Thr Ala Asp Thr Pro Leu Cys Leu Gln		
137	865	870	875
138	880	885	890
139	895	890	895
140	Asp Val Ala Ser Ile Leu His Leu Asn Arg Lys Phe Val Asp Met Asp		
141	900	905	910
142	915	920	925
143	925	930	935
144	940	945	950
145	955	950	960
146	960	965	970
147	975	970	975
148	980	985	990
149	995	1000	1005

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/783,311

DATE: 08/02/2004

TIME: 11:31:56

Input Set : A:\10280-059001.txt

Output Set: N:\CRF4\08022004\J783311.raw

154 Lys Asp Cys Gly Val Tyr Thr Pro Gln Gly Phe Leu Asp Gln Trp Ala
 155 1010 1015 1020
 156 Ser Asn Ala Ser Val Ser His Gln Asp Gln Gln Cys Pro Gly Trp Val
 157 1025 1030 1035 1040
 158 Ile Ile Gly Gln Pro Ala Ala Ser Gln Val Cys Arg Thr Lys Val Ile
 159 1045 1050 1055
 160 Asp Leu Ser Glu Gly Ile Ser Gln His Ala Trp Tyr Pro Cys Thr Ile
 161 1060 1065 1070
 162 Ser Tyr Pro Tyr Ser Gln Leu Ala Gln Thr Thr Phe Trp Leu Arg Ala
 163 1075 1080 1085
 164 Tyr Phe Ser Gln Pro Met Val Ala Ala Ala Val Ile Val His Leu Val
 165 1090 1095 1100
 166 Thr Asp Gly Thr Tyr Tyr Gly Asp Gln Lys Gln Glu Thr Ile Ser Val
 167 1105 1110 1115 1120
 168 Gln Leu Leu Asp Thr Lys Asp Gln Ser His Asp Leu Gly Leu His Val
 169 1125 1130 1135
 170 Leu Ser Cys Arg Asn Asn Pro Leu Ile Ile Pro Val Val His Asp Leu
 171 1140 1145 1150
 172 Ser Gln Pro Phe Tyr His Ser Gln Ala Val Arg Val Ser Phe Ser Ser
 173 1155 1160 1165
 174 Pro Leu Val Ala Ile Ser Gly Val Ala Leu Arg Ser Phe Asp Asn Phe
 175 1170 1175 1180
 176 Asp Pro Val Thr Leu Ser Ser Cys Gln Arg Gly Glu Thr Tyr Ser Pro
 177 1185 1190 1195 1200
 178 Ala Glu Gln Ser Cys Val His Phe Ala Cys Glu Lys Thr Asp Cys Pro
 179 1205 1210 1215
 180 Glu Leu Ala Val Glu Asn Ala Ser Leu Asn Cys Ser Ser Asp Arg
 181 1220 1225 1230
 182 Tyr His Gly Ala Gln Cys Thr Val Ser Cys Arg Thr Gly Tyr Val Leu
 183 1235 1240 1245
 184 Gln Ile Arg Arg Asp Asp Glu Leu Ile Lys Ser Gln Thr Gly Pro Ser
 185 1250 1255 1260
 186 Val Thr Val Thr Cys Thr Glu Gly Lys Trp Asn Lys Gln Val Ala Cys
 187 1265 1270 1275 1280
 188 Glu Pro Val Asp Cys Ser Ile Pro Asp His His Gln Val Tyr Ala Ala
 189 1285 1290 1295
 190 Ser Phe Ser Cys Pro Glu Gly Thr Thr Phe Gly Ser Gln Cys Ser Phe
 191 1300 1305 1310
 192 Gln Cys Arg His Pro Ala Gln Leu Lys Gly Asn Asn Ser Leu Leu Thr
 193 1315 1320 1325
 194 Cys Met Glu Asp Gly Leu Trp Ser Phe Pro Glu Ala Leu Cys Glu Leu
 195 1330 1335 1340
 196 Met Cys Leu Ala Pro Pro Val Pro Asn Ala Asp Leu Gln Thr Ala
 197 1345 1350 1355 1360
 198 Arg Cys Arg Glu Asn Lys His Lys Val Gly Ser Phe Cys Lys Tyr Lys
 199 1365 1370 1375
 200 Cys Lys Pro Gly Tyr His Val Pro Gly Ser Ser Arg Lys Ser Lys Lys
 201 1380 1385 1390
 202 Arg Ala Phe Lys Thr Gln Cys Thr Gln Asp Gly Ser Trp Gln Glu Gly

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/783,311

DATE: 08/02/2004
TIME: 11:31:56

Input Set : A:\10280-059001.txt
Output Set: N:\CRF4\08022004\J783311.raw

203	1395	1400	1405
204	Ala Cys Val Pro Val Thr Cys Asp Pro Pro Pro Pro Lys Phe His Gly		
205	1410	1415	1420
206	Leu Tyr Gln Cys Thr Asn Gly Phe Gln Phe Asn Ser Glu Cys Arg Ile		
207	1425	1430	1435
208	Lys Cys Glu Asp Ser Asp Ala Ser Gln Gly Leu Gly Ser Asn Val Ile		1440
209	1445	1450	1455
210	His Cys Arg Lys Asp Gly Thr Trp Asn Gly Ser Phe His Val Cys Gln		
211	1460	1465	1470
212	Glu Met Gln Gly Gln Cys Ser Val Pro Asn Glu Leu Asn Ser Asn Leu		
213	1475	1480	1485
214	Lys Leu Gln Cys Pro Asp Gly Tyr Ala Ile Gly Ser Glu Cys Ala Thr		
215	1490	1495	1500
216	Ser Cys Leu Asp His Asn Ser Glu Ser Ile Ile Leu Pro Met Asn Val		
217	1505	1510	1515
218	Thr Val Arg Asp Ile Pro His Trp Leu Asn Pro Thr Arg Val Glu Arg		
219	1525	1530	1535
220	Val Val Cys Thr Ala Gly Leu Lys Trp Tyr Pro His Pro Ala Leu Ile		
221	1540	1545	1550
222	His Cys Val Lys Gly Cys Glu Pro Phe Met Gly Asp Asn Tyr Cys Asp		
223	1555	1560	1565
224	Ala Ile Asn Asn Arg Ala Phe Cys Asn Tyr Asp Gly Gly Asp Cys Cys		
225	1570	1575	1580
226	Thr Ser Thr Val Lys Thr Lys Lys Val Thr Pro Phe Pro Met Ser Cys		
227	1585	1590	1595
228	Asp Leu Gln Gly Asp Cys Ala Cys Arg Asp Pro Gln Ala Gln Glu His		
229	1605	1610	1615
230	Ser Arg Lys Asp Leu Arg Gly Tyr Ser His Gly		
231	1620	1625	
233	<210> SEQ ID NO: 2		
234	<211> LENGTH: 1547		
235	<212> TYPE: PRT		
236	<213> ORGANISM: Homo sapiens		
238	<400> SEQUENCE: 2		
239	Glu Ala Arg Gly Ala Thr Glu Glu Pro Ser Pro Pro Ser Arg Ala Leu		
240	1	5	10
241	Tyr Phe Ser Gly Arg Gly Glu Gln Leu Arg Val Leu Arg Ala Asp Leu		
242	20	25	30
243	Glu Leu Pro Arg Asp Ala Phe Thr Leu Gln Val Trp Leu Arg Ala Glu		
244	35	40	45
245	Gly Gly Gln Arg Ser Pro Ala Val Ile Thr Gly Leu Tyr Asp Lys Cys		
246	50	55	60
247	Ser Tyr Ile Ser Arg Asp Arg Gly Trp Val Val Gly Ile His Thr Ile		
248	65	70	75
249	80		
250	Ser Asp Gln Asp Asn Lys Asp Pro Arg Tyr Phe Phe Ser Leu Lys Thr		
251	85	90	95
252	Asp Arg Ala Arg Gln Val Thr Thr Ile Asn Ala His Arg Ser Tyr Leu		
253	100	105	110
	Pro Gly Gln Trp Val Tyr Leu Ala Ala Thr Tyr Asp Gly Gln Phe Met		

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/783,311

DATE: 08/02/2004
TIME: 11:31:57

Input Set : A:\10280-059001.txt
Output Set: N:\CRF4\08022004\J783311.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:358; Xaa Pos. 4,5,6,7,8,9,10,11
Seq#:359; Xaa Pos. 5,6,7,8,9,10
Seq#:360; Xaa Pos. 8,9,10,11,13
Seq#:361; Xaa Pos. 7,9,11
Seq#:362; Xaa Pos. 1,2,3
Seq#:363; Xaa Pos. 4,5,6
Seq#:364; Xaa Pos. 1,3,4,5,6,8
Seq#:365; Xaa Pos. 4,5,6,8
Seq#:366; Xaa Pos. 9
Seq#:367; Xaa Pos. 9
Seq#:368; Xaa Pos. 2,5,6,8,10
Seq#:369; Xaa Pos. 2,4
Seq#:370; Xaa Pos. 1,3,5
Seq#:371; Xaa Pos. 3
Seq#:372; Xaa Pos. 3
Seq#:373; Xaa Pos. 2,3
Seq#:374; Xaa Pos. 2,3,7
Seq#:375; Xaa Pos. 2,3,7
Seq#:376; Xaa Pos. 2,3,7,9
Seq#:377; Xaa Pos. 1,2
Seq#:378; Xaa Pos. 3
Seq#:379; Xaa Pos. 1
Seq#:380; Xaa Pos. 1,2
Seq#:381; Xaa Pos. 1,2,3,4,5,6,7,8,9,10
Seq#:382; Xaa Pos. 1,2,3,4,5,6
Seq#:383; Xaa Pos. 3,5
Seq#:384; Xaa Pos. 1,2,3,4,5,6,7
Seq#:385; Xaa Pos. 1,2,3,4,5,6,7
Seq#:386; Xaa Pos. 1,2,3,4,5,6,7
Seq#:387; Xaa Pos. 7,9,11,12
Seq#:388; Xaa Pos. 1,2,3,4,5,6
Seq#:389; Xaa Pos. 8,9,10,11,13
Seq#:390; Xaa Pos. 1,2,3,4
Seq#:391; Xaa Pos. 2,5,6,8,10
Seq#:392; Xaa Pos. 1,2,3,4,5,6,7,8
Seq#:393; Xaa Pos. 1,2,3,5,7,8,9,10

VERIFICATION SUMMARY DATE: 08/02/2004
PATENT APPLICATION: US/10/783,311 TIME: 11:31:57

Input Set : A:\10280-059001.txt
Output Set: N:\CRF4\08022004\J783311.raw

L:2141 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:2502 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:126
L:6228 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6232 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:358
L:6236 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:358
L:6240 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:358
L:6244 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:358
L:6248 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:358
L:6252 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:358
L:6256 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:358
L:6260 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:358
L:6261 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:358 after pos.:0
L:6272 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6277 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:359
L:6281 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:359
L:6285 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:359
L:6289 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:359
L:6290 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:359 after pos.:0
L:6301 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6305 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:360
L:6309 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:360
L:6313 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:360
L:6317 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:360
L:6321 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:360
L:6322 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:360 after pos.:0
L:6333 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6337 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:361
L:6341 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:361
L:6345 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:361
L:6346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:361 after pos.:0
L:6357 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6361 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:362
L:6365 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:362
L:6366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:362 after pos.:0
L:6377 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6381 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:363
L:6385 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:363
L:6389 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:363
L:6390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:363 after pos.:0
L:6401 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6405 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:364
L:6410 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:364
L:6414 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:364
L:6418 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:364
L:6422 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:364
L:6423 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:364 after pos.:0
L:6434 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6438 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:365

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/783,311

DATE: 08/02/2004

TIME: 11:31:57

Input Set : A:\10280-059001.txt

Output Set: N:\CRF4\08022004\J783311.raw

L:6442 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:365
L:6446 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:365
L:6447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:365 after pos.:0
L:6458 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6462 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:366
L:6463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:366 after pos.:0
L:6474 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6478 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:367
L:6479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:367 after pos.:0
L:6490 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6494 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:368
L:6498 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:368
L:6502 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:368
L:6506 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:368
L:6510 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:368
L:6511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:368 after pos.:0
L:6522 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6527 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:369
L:6532 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:369
L:6533 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:369 after pos.:0
L:6544 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6548 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:370
L:6552 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:370
L:6557 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:370
L:6558 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:370 after pos.:0
L:6569 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6573 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:371
L:6574 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:371 after pos.:0
L:6585 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6589 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:372
L:6590 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:372 after pos.:0
L:6601 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6606 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:373
L:6610 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:373
L:6611 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:373 after pos.:0
L:6622 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6626 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:374
L:6630 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:374
L:6631 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:374 after pos.:0
L:6642 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6646 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:375
L:6650 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:375
L:6655 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:375
L:6656 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:375 after pos.:0
L:6667 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6671 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:376
L:6675 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:376
L:6679 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:376
L:6680 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:376 after pos.:0

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/783,311

DATE: 08/02/2004

TIME: 11:31:57

Input Set : A:\10280-059001.txt

Output Set: N:\CRF4\08022004\J783311.raw

L:6691 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6695 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:377
L:6696 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:377 after pos.:0
L:6707 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6711 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:378
L:6712 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:378 after pos.:0
L:6723 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6727 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:379
L:6728 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:379 after pos.:0
L:6739 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6743 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:380
L:6747 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:380
L:6748 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:380 after pos.:0
L:6759 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6763 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:381
L:6767 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:381
L:6771 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:381
L:6775 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:381
L:6780 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:381
L:6784 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:381
L:6788 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:381
L:6792 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:381
L:6796 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:381
L:6800 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:381
L:6801 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:381 after pos.:0
L:6812 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6816 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:382
L:6820 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:382
L:6824 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:382
L:6828 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:382
L:6829 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:382 after pos.:0
L:6840 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6844 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:383
L:6848 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:383
L:6849 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:383 after pos.:0
L:6860 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6864 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:384
L:6868 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:384
L:6872 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:384
L:6876 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:384
L:6880 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:384
L:6884 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:384
L:6888 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:384
L:6889 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:384 after pos.:0
L:6900 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6904 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:385
L:6908 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:385
L:6912 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:385
L:6916 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:385

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/783,311

DATE: 08/02/2004
TIME: 11:31:57

Input Set : A:\10280-059001.txt
Output Set: N:\CRF4\08022004\J783311.raw

L:6920 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:385
L:6924 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:385
L:6928 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:385
L:6929 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:385 after pos.:0
L:6940 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6944 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:386
L:6948 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:386
L:6952 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:386
L:6956 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:386
L:6960 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:386
L:6964 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:386
L:6968 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:386
L:6969 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:386 after pos.:0
L:6980 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:6984 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:387
L:6988 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:387
L:6992 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:387
L:6996 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:387
L:6997 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:387 after pos.:0
L:7008 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:7012 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:388
L:7016 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:388
L:7020 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:388
L:7024 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:388
L:7025 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:388 after pos.:0
L:7036 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:7040 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:389
L:7044 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:389
L:7048 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:389
L:7052 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:389
L:7056 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:389
L:7057 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:389 after pos.:0
L:7068 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:7072 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:390
L:7076 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:390
L:7080 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:390
L:7081 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:390 after pos.:0
L:7092 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:7096 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:391
L:7100 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:391
L:7104 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:391
L:7109 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:391
L:7114 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:391
L:7115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:391 after pos.:0
L:7126 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:7130 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:392
L:7134 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:392
L:7138 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:392
L:7142 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:392

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/783,311

DATE: 08/02/2004
TIME: 11:31:57

Input Set : A:\10280-059001.txt
Output Set: N:\CRF4\08022004\J783311.raw

L:7146 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:392
L:7150 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:392
L:7151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:392 after pos.:0
L:7162 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:7166 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:393
L:7170 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:393
L:7174 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:393
L:7178 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:393
L:7182 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:393
L:7183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:393 after pos.:0